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PTO/S582 (10-00)

Approved for use through 10/31/2002. OME 1651-Q035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF
ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/581,036
Filing Date	8/8/2000
First Named Inventor	Chu
Group Art Unit	1638
Examiner Name	Kallis, Russell
Attorney Docket Number	50288/PPDUSPCT

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:☐ Customer NumberPlace Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name

Bruce Vrana for Syngenta Limited

Signature

Date

4/4/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Zeneca LimitedApplication No./Patent No.: 09/581,036 Filed/Issue Date: 8/8/2000Entitled: Genetic MethodZeneca Limited, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011175, Frame 0066, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/4/03
DateBruce Vrana for Syngenta Limited

Typed or printed name


SignatureSenior Patent Attorney

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



TO ALL TO WHOM THESE PRESENTS shall come
I, **ANDREW MICHAEL JACKSON**, Notary Public by
Royal Authority duly admitted and sworn practising at
Guildford in the County of Surrey in the United
Kingdom of Great Britain and Northern Ireland

do hereby certify that the Power of Attorney annexed hereto has
been signed as a Deed by **NEIL DEMPSEY** a Director and
MATTHEW DAVID BAYLISS the Secretary on behalf of
SYNGENTA LIMITED a company registered in England and that
the same "N Dempsey" and "Matthew Bayliss" thereto subscribed
have been compared with specimens of the signatures of the said
Neil Dempsey and Matthew David Bayliss held by me and made in
my presence AND THAT the Deed so signed is in accordance with
the Law of England and Wales and binding on the Company

IN FAITH AND TESTIMONY
whereof I have hereunto
subscribed my name and affixed
my Seal of Office this 20th day of
November in the year of Our Lord
Two thousand and two

Notary Public
Guildford

FO:458:2:D2957

My commission expires with life

BY T
ORG
F

APOSTILLE

(Hague Convention of 5 October 1961 / Convention de La Haye du 5 octobre 1961)

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

1. Country: United Kingdom of Great Britain and Northern Ireland
Pays: Royaume-Uni de Grande-Bretagne et d'Irlande du Nord

This public document / Le présent acte public

2. Has been signed by A M Jackson
a été signé par

3. Acting in the capacity of Notary Public
agissant en qualité de

4. Bears the seal/stamp of The Said Notary Public
est revêtu du sceau/timbre de

5. at London/à Londres

Certified/Attesté
6. the/le 03 December 2002

7. by Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs /
par le Secrétaire d'Etat Principal de Sa Majesté aux Affaires Etrangères et du Commonwealth.

8. Number/sous No

G068426

9. Stamp:
timbre:

10. Signature: J. M. A. Mason



For the Secretary of State / Pour le Secrétaire d'Etat

Patents

**SYNGENTA LIMITED
POWER OF ATTORNEY**

BY THIS POWER OF ATTORNEY SYNGENTA LIMITED a Company duly organised and existing under and by virtue of the laws of England and having its registered office at Syngenta, European Regional Centre, Priestley Road, Surrey Research Park, Guildford, Surrey GU2 7YH, United Kingdom (hereinafter called "the Company")

(A) **HEREBY** nominates constitutes and appoints

ALLEN Rose;
AMATO Antonio;
ANDREWS Christopher Dr;
BASTIAN Werner Dr;
BIDDLE Jennifer;
BIONDINI Flavio;
BLIND Valerie;
BOWDICH Julie;
BUTLER James Dr;
CALLAGY Shelley;
CERONI Jocelyne;
CHANDLER Joanna;
CLAUSWITZ Kai-Uwe Dr;
COLLINS Jane;
DAMMANN Michael;
DOWLING Clare;
EBINGER-ZOELD Cornelia;
ELLIOTT Kathryn Dr;
EMMENEGGER Alice;
FEEHAN Jessica;
FELIX Franz Dr;
FLATTERY Marian;
FRANIER Lea;
GRIMM Marie-Christine;
GUERNE Patrice;
GAAL Jozsef Dr;
HARDY Melissa ;
HAUGG Rudolf ;
HAMILTON Thomas ;
HAYES Laneisha ;
HOFMANN Joachim ;
HOHENBERGER Klaus Dr ;
HOELSCHER Ingo Dr ;
HOLDER Susan;
HOUGHTON Malcolm;

HUSKISSON Frank;
KAKEFUDA Mary;
LEBEL Edouard Dr;
LEE Michael;
MORTON Marcia Dr;
NOLAN James;
OSBORN Martin Dr;
PALMER Sarah Dr;
PETERS Cassandra;
ROEHRL Gerhard Dr;
RICKS Michael Dr;
RUDD Ann ;
SCHILLER Cornelia ;
SCHWARTZ Randee;
SHIRLING Pamela;
SITZLER-SPICHER Lilly;
SOUTHERN David;
SMOLDERS Walter;
STEHLI VOGLER Helene;
STEHLIN Astrid;
STEINER Katrin;
STULTS Larry Dr;
SWIFT Jane;
TARRY Anne;
TEOLI William;
TORCHIA Timothy Dr;
VOEGELI-LANGE Regina Dr;
VRANA Bruce;
WAESPE Hans-Rudolf Dr;
WARD Steven;
WARREN Greg;
WATERMAN Richard;
WEICHSEL Christian Dr;
WRIGHT Kimberly;
YATES Michael;
ZELLINGER James

Patents

to be the true and lawful Attorneys of the Company (hereinafter referred to as "the Attorneys") for and on behalf of the Company jointly and severally to act throughout the world in the matters set out below relating to applications for Patents for Inventions (which terms shall include certificates of supplementary protection inventorship certificates and the like) (hereinafter referred to as "Patents") and to the registration of Designs, Design Rights, Utility Models, Plant Variety Rights and equivalent rights and Copyright (hereinafter referred to as "Other Intellectual Property") already filed or hereafter to be filed in the name of the Company (whether solely or jointly with one or more other parties) that is to say

- (1) to prepare and file all documents, requests and declarations for obtaining the grant of Patents and extensions of term thereof, and for obtaining and maintaining the registration of Other Intellectual Property; including power to sign and execute applications for European Patents and to sign and execute all other documents pursuant to all proceedings established by the European Patent Convention; including power to sign and execute applications under the Patent Cooperation Treaty and to sign and execute all other documents pursuant to all proceedings established by the Patent Cooperation Treaty
- (2) to apply for and obtain any certificates of registration and renewal;
- (3) to pay the lawful fees and taxes and receive all official certificates;
- (4) to recover any documents relating to any such applications as aforesaid as well as any fees and taxes that may have been paid;
- (5) to apply for copies or duplicates of any official certificates;
- (6) to appoint and instruct any Counsel, Solicitor, Patent Attorney or other professional representative or agent (whether or not an employee of the Company) to represent the Company in any and all matters relating to the application for, prosecution, maintenance, renewal, amendment, cancellation or abandonment of Patents and Other Intellectual Property belonging to the Company including the defence of oppositions or petitions for revocation or cancellation or like proceedings respecting such Patents and Other Intellectual Property belonging to other parties and to revoke and cancel all or any such appointments and instructions;

Patent

AND GENERALLY to do, sign, execute, give and accept all such deeds, documents, acts, notices, requisitions, communications and things as may be necessary for all or any of the purposes aforesaid; and

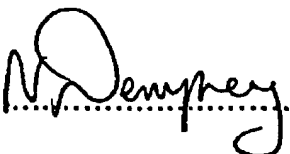
(B) HEREBY confirms and ratifies and, for itself and its successors and assigns, covenants to confirm and ratify whatsoever the Attorneys jointly or severally shall lawfully do or cause to be done by virtue of those presents.

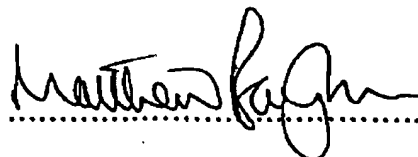
(C) HEREBY REVOKES the Power of Attorney dated 1st July 2002.

This Power of Attorney shall cease to have effect on 31 December 2003. The Company may revoke this Power of Attorney in respect of any individual Attorney before 31 December 2003 by giving that person notice of revocation in writing.

IN WITNESS whereof this power of attorney has been executed as a deed this
2 day of NOVEMBER 2002.

Signed as a Deed by SYNGENTA LIMITED

.....COMPANY DIRECTOR

.....COMPANY SECRETARY

RECEIVED
MAR 18 2003

10-27-2006 SYNGENTA

PATENT DEPT. (RTP, NC)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM PTO-1595

REC

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. PPD 50288/UST

101498373

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies).

8-11-00
Ian JEPSON, Chengcai CHU, Nan QU and
Uwe SONNEWALD

2. Name and address of receiving party(ies):

ZENECA Limited
15 Stanhope Gate
London W1Y 6LN, England

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: June 9, 19, 2000 and July 3, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 00/581 016

Additional numbers attached?

B. Patent No.(s)

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ZENECA Ag Products Inc.
Internal Address: Kathy L. Crew (DCC II 2nd)
Procedural Law Coordinator
Street Address: 1800 Concord Pike
P.O. Box 15458
City: Wilmington State: DE ZIP: 19850-5458

6. Total number of applications and patents involved: [1]

7. Total Fee (37 CFR 3.41): \$40.00

☐ Enclosed
☒ Authorized to be charged to deposit account
☐ No Fee

8. Deposit Account Number:

09-0013

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Liza D. Hohenschutz
Name

Liza D. Hohenschutz
Signature

August 8, 2000
Date

Registration No. 33,712

Total number of pages including cover sheet, attachments, and document: -----

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

PATENT
REEL: 011175 FRAME: 0066

PATENT APPLICATION

Docket No. (Optional)
PPD 80288/UGT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Ian JEPSON, Nan QU, Uwe SONNEWALD and Chancel CHU

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, ZENECA Limited, a company created and existing under the laws of England and Wales, having its Head Office at 15 Stanhope Gate, London, W1Y 6LN England, and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: GENETIC METHOD

and which is found in

- (a) ☒ U.S. patent application executed on even date herewith;
(b) ☐ U.S. patent application executed on _____;
(c) ☐ U.S. application serial no. filed;
(d) ☒ International application no. PCT/GB98/03687;

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or reexamination thereof;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

Signed this

3rd day of July, 2000

Ian JEPSON

WITNESS: Edie
DATE: 3rd July 2000

WITNESS: IAN JEPSON
DATE: 3rd July 2000

☒ Additional page(s) are attached hereto.

PATENT
REEL: 011176 FRAME: 0067

- 2 -

Signed this

* 19 day of June, 2000

* Chengcai CHU
Chengcai CHUWITNESS: * Si

DATE: * 19-06-00

WITNESS: * Chen

DATE: * 19-6-00

* 9 day of June, 2000

* Nan QU
Nan QUWITNESS: * J. Hoff

DATE: * 9-6-00

WITNESS: * [Signature]

DATE: * 9-6-00

* 9 day of June, 2000

* Uwe SPRINOWALO
Uwe SPRINOWALOWITNESS: * J. Hoff

DATE: * 9-6-00

WITNESS: * [Signature]

DATE: * 9-6-00

☐ Additional page(s) are attached hereto.

RECORDED: 08/11/2000

PATENT
REEL: 011175 FRAME: 0068



THE COMPANIES ACT 1985

Company No. 2710846

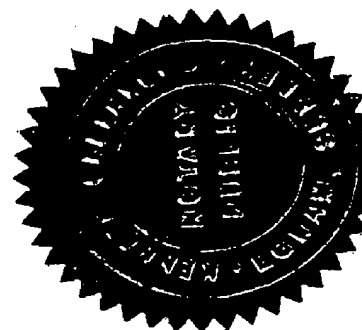
The Registrar of Companies for England and Wales hereby certifies that

SYNGENTA LIMITED (originally called **HACKREMCO (NO.757) LIMITED**, changed its name on 25th September 1992 to **ICI Bioscience Limited**, which was changed on 18th November 1992 to **ZENECA LIMITED**, which was changed on 21st November 2000 to **SYNGENTA LIMITED**, each change having been made by special resolution) was incorporated under the Companies Act 1985 as a limited company on 29th April 1992.

The Registrar further certifies that according to the documents on the file of the company, the situation of the registered office is **SYNGENTA EUROPEAN REGIONAL CENTRE, PRIESTLEY ROAD, SURREY RESEARCH PARK, GUILDFORD, SURREY GU2 7YH.**

EXECUTION
Certified Verified and Authenticated
In The Town Of Egham In Surrey
This 31st Day Of July 2002

KENNETH GREENWOOD
NOTARY PUBLIC
HORNE ENGALL AND FREEMAN



Given at Companies House, Cardiff the 24th June 2002

C. Llewellyn
CATHERINE LLEWELLYN

for the Registrar of Companies



Companies House



CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

Company No. 2710846

The Registrar of Companies for England and Wales hereby certifies that

ZENECA LIMITED

having by special resolution changed its name, is now incorporated
under the name of

SYNGENTA LIMITED

Given at Companies House, London, the 21st November 2000

I hereby certify this to be a true
and accurate copy of the original.

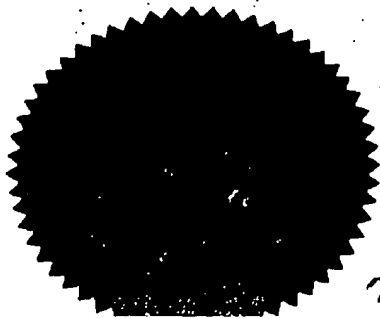
ANTHONY BROOKER
Notary Public

Brooker Grindrod

Suite 3 - Dudley House - Bracknell
Berkshire RG12 1LL
DX: 33603 Bracknell

MR. N. RICHARDS

For The Registrar Of Companies



C O M P A N I E S H O U S E

25/11/00